

<b>Module title</b>		<b>Abbreviation</b>
General and Analytical Chemistry for students of natural sciences (lab)		o8-ACP-NF-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Anorganic Chemistry		Institute of Inorganic Chemistry
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
2	(not) successfully completed	o8-AC-ExChem
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
<p>This module gives students the opportunity to apply in practice the knowledge they have gained through the related lecture(s). After a safety briefing, the students autonomously conduct experiments in the laboratory. The course focuses on laboratory safety, simple lab techniques, the synthesis of simple substances and analyses of unknown substances.</p>		
<b>Intended learning outcomes</b>		
<p>Students are able to identify fundamental problems in chemistry and perform experiments to solve them. They have developed the ability to perform the necessary stoichiometric calculations and describe the chemical processes in an appropriate manner, both in written and oral form.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
P (4)		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations)          Assessment offered: Once a year, summer semester          Language of assessment: German and/or English</p>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
60 h		
<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
<p>Bachelor' degree (1 major) Physics (2015)          Bachelor' degree (1 major) Nanostructure Technology (2015)          Bachelor' degree (1 major) Physics (2020)          Bachelor' degree (1 major) Nanostructure Technology (2020)          Bachelor' degree (1 major) Quantum Technology (2021)</p>		